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Département à
La Haye
Division de la
recherche

Datum/Date
17.02.03

02291902.1-2411-

Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire
ALCATEL

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

- ☐ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

- ☒
- abstract
- ☐
- title

- ☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract: 1

[illegible]

REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	EP 0 391 312 A (IBM) 10 October 1990 (1990-10-10) * figures 5A,5B *	1,2,8-10	H04B3/46
A	US 4 630 228 A (TARCZY-HORNOCH ZOLTAN ET AL) 16 December 1986 (1986-12-16) * column 7, line 11 - line 34 *	1-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
			H04B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 10 February 2003	Examiner De Iulis, M
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 02 29 1902

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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10-02-2003

Patent document cited in search report			Publication date		Patent family member(s)		Publication date	
EP 0391312	A	10-10-1990	EP	0391312 A2		10-10-1990		
			JP	2292919 A		04-12-1990		
			US	5128619 A		07-07-1992		

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